PMC SFP Expansion Card

Teldat-Dm 611

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Warranty

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Table of Contents

Chapter 1 About This Guide

This installation guide contains the step by step instructions that you need to follow in order to correctly install, uninstall and replace the PMC-1SFP expansion card in the ATLAS router family.

1.1 Supported Devices

The information contained in this installation guide only applies to the PMC-1SFP expansion card.

1.2 Warnings and notes

Observe the warnings and instructions given in this manual to avoid and prevent injuries or damage during installation and maintenance. Please follow the security procedures and guidelines when working near electrical equipment. The warnings and notes are provided in each chapter as appropriate.

1.3 Who should read this manual?

This manual should be read by installers and network administrators who need to install, configure or maintain networks. This guide assumes that the installer is familiar with network electronics and technologies.

1.4 What is in this manual?

This installation guide contains the following information:

• Description of the general characteristics of the PMC-1SFP expansion card.

• Description of the steps to carry out to install the PMC-1SFP card in the ATLAS routers.

• Description of the PMC-1SFP expansion card LEDs and the pinouts for their connectors.

1.5 How is the information organized?

This document aims to provide all the information necessary for installing the PMC-1SFP expansion card in the ATLAS router family.

• PMC-1SFP expansion card characteristics

• PMC-1SFP expansion card connectors

• Requirements prior to installation.

• Installing the PMC-1SFP expansion card

1.6 Technical Support

Teldat SA offers a technical support service.

Contact information:

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        Email: support@teldat.com

1.7 Related documentation

ATLAS router family installation manuals

Teldat-Dm605-I *PMC Expansion Cards ATLAS 60 Installation* .

The manufacturer reserves the right to make changes and improvements in the appropriate features in either software or hardware of this product, modifying the specifications of this manual without prior notice.

The images presented on the front and back panels of the devices are provided as information guidelines only. Some small modifications may exist in the actual device.

Chapter 2 PMC-1SFP expansion card

This manual is about the Gigabit Ethernet 1-port PMC SFP card:

The PMC-1SFP card provides connectivity to a single Gigabit Ethernet device or to a network.

Fig. 1: PMC-1SFP Card

2.1 PMC-1SFP expansion card: Characteristics

The main characteristics of the PMC-1SFP expansion card are as follows:
PMC-1SFP Card: Characteristics

Ports	1 SFP Gigabit Ethernet port
Standards	IEEE • 802.1Q (VLAN) • 1000 BASE-X
Types	• LX/LH (single-mode 1310 nm) • SX (multi-mode 850 nm)
Speed	• 1000 Mbps duplex

2.2 PMC-1SFP expansion card: Connectors

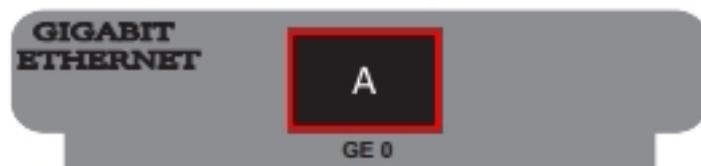Figure 2 shows the front board of the PMC-1SFP card:

Fig. 2: Front of the PMC-1SFP Card

The front board elements are as follows:
Elements Table for the Front of the PMC-1SFP Card

Item	Description
A	SFP port

SFP modules to be installed in the card socket should be class 1 devices complying with standard IEC-60825-1.

Chapter 3 Installing the PMC-1SFP expansion card

This chapter provides information on how to install and uninstall the PMC-1SFP expansion card in the ATLAS routers.

This information includes:

- Requirements prior to installation
- Installing or replacing a PMC-1SFP expansion card

3.1 Requirements prior to installation

In order to configure the card, you must have access to the ATLAS router through a console or a Telnet connection. For further information, please see the section on "Connecting for configuration" found in the ATLAS router family installation manuals.

3.2 Installing or replacing the PMC-1SFP expansion card

To install or replace a PMC-1SFP card, please see the PMC cards installation generic manual corresponding to the ATLAS router model where the installation is being carried out.

Chapter 4 LEDs and connector Pinouts: Description

This chapter provides information on the PMC-1SFP expansion card LEDs and the pinouts for its connector.

4.1 PMC-1SFP expansion card: LEDs

The PMC-1SFP expansion card doesn't have any LEDs of its own.

4.2 Connector Pinouts

N/A.

Appendix A Regulatory compliance and safety information

A.1 Translated Safety Warnings

⚠	SFP modules to be installed in the card socket should be class 1 devices complying with standard IEC-60825-1.
	Los módulos SFP que se instalen en el socket de la tarjeta deberían ser dispositivos de clase 1 de acuerdo con la norma IEC-60825-1.

A.2 Compliance

A.2.1 FCC Statement

A.2.1.1 Federal Communications Commission Interference

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This product complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation of the device.

A.2.2 IC Statement

A.2.2.1 CAN ICES-3 (A)/NMB-3(A)

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus as set out in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of the Department of Communications.

Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de Classe A prescrites dans la norme sur le matériel brouilleur: "Appareils Numériques," NMB-003 édictée par le ministère des Communications.